

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:ssspta1621mxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS	3	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS	4	Oct 09	Number of Derwent World Patents Index updates increased
NEWS	5	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS	6	Oct 22	Over 1 million reactions added to CASREACT
NEWS	7	Oct 22	DGENE GETSIM has been improved
NEWS	8	Oct 29	AAASD no longer available
NEWS	9	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS	10	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS	11	Nov 29	COPPERLIT now available on STN
NEWS	12	Nov 29	DWPI revisions to NTIS and US Provisional Numbers
NEWS	13	Nov 30	Files VETU and VETB to have open access
NEWS	14	Dec 10	WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
NEWS	15	Dec 10	DGENE BLAST Homology Search
NEWS	16	Dec 17	WELDASEARCH now available on STN
NEWS	17	Dec 17	STANDARDS now available on STN
NEWS	18	Dec 17	New fields for DPCI
NEWS	19	Dec 19	CAS Roles modified
NEWS	20	Dec 19	1907-1946 data and page images added to CA and Cplus
NEWS	21	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS	22	Jan 25	Searching with the P indicator for Preparations
NEWS EXPRESS			August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:16:01 ON 27 JAN 2002

=> file registry  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.15	0.15

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 16:16:13 ON 27 JAN 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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STRUCTURE FILE UPDATES: 25 JAN 2002 HIGHEST RN 387333-72-4  
DICTIONARY FILE UPDATES: 25 JAN 2002 HIGHEST RN 387333-72-4

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

The P indicator for Preparations was not generated for all of the  
CAS Registry Numbers that were added to the H/Z/CA/CAPLUS files between  
12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches  
during this period, either directly appended to a CAS Registry Number  
or by qualifying an L-number with /P, may have yielded incomplete results.  
As of 1/23/02, the situation has been resolved. Also, note that searches  
conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAPLUS files  
incorporating CAS Registry Numbers with the P indicator between 12/27/01  
and 1/23/02, are encouraged to re-run these strategies. Contact the  
CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698,  
worldwide, or send an e-mail to [help@cas.org](mailto:help@cas.org) for further assistance or to  
receive a credit for any duplicate searches.

=> e siltech

E1	2	SILSTAR/BI
E2	1	SILSTOP/BI
E3	17 -->	SILTECH/BI
E4	2	SILTEG/BI
E5	1	SILTEK/BI
E6	3	SILTELLURANE/BI
E7	5	SILTEM/BI
E8	1	SILTENZ/BI
E9	1	SILTENZEPI/BI
E10	1	SILTENZEPINE/BI
E11	1	SILTEPL/BI
E12	1	SILTEPLASE/BI

=> s e3

L1 17 SILTECH/BI

=> d L1 1-17

L1 ANSWER 1 OF 17 REGISTRY COPYRIGHT 2002 ACS

RN 308073-89-4 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).

CN Siloxanes and Silicones, sulfo-contg. (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Polysiloxanes, sulfo-contg.

OTHER NAMES:

CN Deloxan ASP

CN Siltech Water Soluble Sulfate

CN Sulfo-contg. siloxanes

MF Unspecified

CI MAN, CTS

SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 2 OF 17 REGISTRY COPYRIGHT 2002 ACS

RN 308073-83-8 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).

CN Siloxanes and Silicones, polyoxypropylene- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Polysiloxanes, polyoxypropylene-

OTHER NAMES:

CN ESS 2410

CN Polyoxypropylene-siloxanes

CN Silicones, polyoxypropylene-

CN Siltech H 1400

CN Siltech H 1600

MF Unspecified

CI MAN, CTS

SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 3 OF 17 REGISTRY COPYRIGHT 2002 ACS

RN 308073-82-7 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).

CN Siloxanes and Silicones, polyoxyethylene-polyoxypropylene-, block (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Polysiloxanes, polyoxyethylene-polyoxypropylene-, block

OTHER NAMES:

CN Polyoxyethylene-polyoxypropylene-siloxanes, block

CN Siltech H 1100

CN Siltech H 1200

CN Siltech H 1300

CN Siltech H 1500

MF Unspecified

CI MAN, CTS

SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 4 OF 17 REGISTRY COPYRIGHT 2002 ACS  
RN 308073-79-2 REGISTRY \*  
\* Use of this CAS Registry Number alone as a search term in other STN files  
may  
result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).  
CN Siloxanes and Silicones, polyoxyethylene- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Polysiloxanes, polyoxyethylene-  
OTHER NAMES:  
CN Amfilubre  
CN Crisvon Assistor N 010  
CN DKQ 8-778  
CN DKQ 8-779  
CN FZ 2104  
CN FZ 3771  
CN KF 6009  
CN L 5303  
CN L 5307  
CN Poly(oxyethylene)- siloxanes and Silicones  
CN Polyoxyethylene-polysiloxanes  
CN Polyoxyethylene-siloxanes  
CN Polysiloxanes, poly(oxyethylene)-  
CN Sansilicone M 84  
CN SH 3700  
CN Silicones, poly(oxyethylene)-  
CN Siloxanes, poly(oxyethylene)-  
CN **Siltech H 1000**  
CN X 22-4822  
CN Y 7006  
MF Unspecified  
CI MAN, CTS  
SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 5 OF 17 REGISTRY COPYRIGHT 2002 ACS  
RN 308072-86-8 REGISTRY \*  
\* Use of this CAS Registry Number alone as a search term in other STN files  
may  
result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).  
CN Siloxanes and Silicones, di-Me, polyoxyethylene-polyoxypropylene- (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Polysiloxanes, di-Me, polyoxyethylene-polyoxypropylene-  
OTHER NAMES:  
CN Di-Me, polyoxyethylene-polyoxypropylene-siloxanes  
CN F 1-009-02  
CN F 1-009-03  
CN F 1-009-15  
CN F 373  
CN FZ 2165  
CN KF 335A  
CN KF 352A  
CN KF 6012  
CN L 540  
CN L 548  
CN L 550

CN L 5710  
CN L 5720  
CN L 6202  
CN Silicones, di-Me, polyoxyethylene-polyoxypropylene-  
CN Siltech T 706  
CN Siltech T 710  
CN Siltech T 750  
CN Siltech T 790  
CN Silwet FZ 2165  
CN Silwet L 7657  
CN Tegopren 5830  
CN Tegopren 5830A  
CN Tegopren 5830B  
CN TSF 4440  
CN TSF 4450  
CN TSF 4452  
CN Y 12230  
MF Unspecified  
CI MAN, CTS  
SR CA

Silwet L-7602?

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 6 OF 17 REGISTRY COPYRIGHT 2002 ACS  
RN 308072-83-5 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).

CN Siloxanes and Silicones, di-Me, polyoxyethylene-, amino-contg.,  
quaternized (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Polysiloxanes, di-Me, polyoxyethylene-, amino-contg., quaternized

OTHER NAMES:

CN Siltech Amine 65

MF Unspecified

CI MAN, CTS

SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 7 OF 17 REGISTRY COPYRIGHT 2002 ACS  
RN 308072-09-5 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).

CN Siloxanes and Silicones, di-Me, amino-contg. (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Polysiloxanes, di-Me, amino-contg.

OTHER NAMES:

CN ALE 56

CN Amino-contg. di-Me silicones

CN Amino-contg. di-Me siloxanes

CN AR 4136A

CN Belsil ADM 6057E

CN BS 1306

CN BY 16-849

CN BY 16-872

CN BY 16-904

CN CSF  
 CN CSF (siloxane)  
 CN Dow Corning 2-8707  
 CN Dow Corning 8025  
 CN F 756  
 CN FS 8417  
 CN Genesee GP-134  
 CN Genesee GP-4  
 CN Genesee GP-6  
 CN JG 4008A  
 CN KF 859  
 CN KF 862  
 CN KF 876A  
 CN Magnasoft Plus  
 CN Polon MF 14EC  
 CN Polon MF 51  
 CN Rhodorsil 10646  
 CN SF 1921  
 CN SF 8417  
 CN Silicones, amino, di-Me  
 CN Silicones, di-Me, amino-contg.  
 CN Siligen SIO  
 CN Siloxanes, di-Me, amino-contg.  
 CN **Siltech AF**  
 CN **Siltech AF-LV**  
 CN Silwet FZ 319  
 CN SLJ 1367  
 CN SM 2059  
 CN SSF  
 CN SSF (silicone)  
 CN TSL 9346  
 CN Ultratex EMJ  
 CN Wacker 1311  
 MF Unspecified  
 CI MAN, CTS  
 SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 8 OF 17 REGISTRY COPYRIGHT 2002 ACS

RN 308071-37-6 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).

CN Siloxanes and Silicones, carboxyalkyl Me, di-Me,  
[[ (carboxyalkyl)dimethylsilyl]oxy]-terminated (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Polysiloxanes, carboxyalkyl Me, di-Me,  
[[ (carboxyalkyl)dimethylsilyl]oxy]-  
terminated

OTHER NAMES:

CN Carboxyalkyl Me, di-Me siloxanes, [[ (carboxyalkyl)dimethylsilyl]oxy]-  
terminated

CN **Siltech CT 701**

CN **Siltech CT 706**

CN **Siltech CT 710**

CN **Siltech CT 750**

CN **Siltech CT 790**

MF Unspecified

CI MAN, CTS  
SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 9 OF 17 REGISTRY COPYRIGHT 2002 ACS

RN 308071-36-5 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).

CN Siloxanes and Silicones, carboxyalkyl Me, di-Me (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Polysiloxanes, carboxyalkyl Me, di-Me

OTHER NAMES:

CN Carboxyalkyl Me, di-Me siloxanes

CN Siltech C 1000

CN Siltech C 1100

CN Siltech C 1200

CN Siltech C 1300

CN Siltech C 1400

CN Siltech C 1500

CN Siltech C 1600

CN Siltech C 1700

MF Unspecified

CI MAN, CTS

SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 10 OF 17 REGISTRY COPYRIGHT 2002 ACS

RN 229981-91-3 REGISTRY

CN Siltech PR 1145 (9CI) (CA INDEX NAME)

MF Unspecified

CI PMS, MAN

PCT Manual registration

SR CA

LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 11 OF 17 REGISTRY COPYRIGHT 2002 ACS

RN 70131-67-8 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).

CN Siloxanes and Silicones, di-Me, hydroxy-terminated (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Polysiloxanes, di-Me, hydroxy-terminated

OTHER NAMES:

CN Baysilone C 0.7

CN Di-Me hydroxy-terminated siloxanes

CN FM-D 425

CN FM-DA 26

CN Hydroxy-terminated di-Me siloxanes

CN PS 195

CN PS 339.7

CN PS 345.5  
CN Q 4-2737  
CN RF 5000  
CN Silanol-terminated di-Me siloxanes  
CN Siltech S 700  
CN Silwet PC 90  
CN X 21-22-160AS  
CN X 22-160A  
CN X 22-160B  
CN X 22-16AS  
DR 57571-37-6, 63148-60-7  
MF Unspecified  
CI PMS, MAN, CTS  
PCT Manual registration  
LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, MSDS-OHS, PROMT,  
RTECS\*, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 12 OF 17 REGISTRY COPYRIGHT 2002 ACS  
RN 68037-59-2 REGISTRY \*  
\* Use of this CAS Registry Number alone as a search term in other STN files  
may  
result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).  
CN Siloxanes and Silicones, di-Me, Me hydrogen (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Polysiloxanes, di-Me, Me hydrogen  
OTHER NAMES:  
CN AE 151  
CN CHS 121  
CN Di-Me, Me hydrogen, trimethylsilyl-terminated siloxanes and silicones  
CN Dow Corning 7678  
CN FZ 350  
CN FZ 3709  
CN FZ 3778  
CN FZ 3805  
CN FZ 3875  
CN HMS 071  
CN HMS 151  
CN HMS 301  
CN HMS 501  
CN KF 9901  
CN KM 2002L1  
CN KS 722  
CN KSF 484  
CN KSG 16  
CN KSG 18  
CN NM 203  
CN Poloncoat E  
CN PS 122.5  
CN PS 123  
CN PS 123.5  
CN Rhodorsil 628  
CN Silicones, di-Me, Me hydrogen  
CN Siloprene U 230  
CN Siloxanes, di-Me, Me hydrogen

CN Siltech C 106  
CN Siltech D 116  
CN Siltech H 345  
CN Siltech J 456  
CN Siltech XX 456  
CN Siltech ZZ 302  
CN Syl-off 7678  
CN Trimethylsilyl-terminated di-Me, Me hydrogen siloxanes  
CN TSF 483  
CN V 20  
CN V 20 (siloxane)  
CN V 58  
CN V 58 (silicone)  
CN XF 40A1626  
CN XF 40A1627  
CN XF 40A1635  
CN XF 40A1762  
CN XF 40A2346  
CN XF 40A2349  
CN XF 40A2426  
CN XF 40A5149

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 189399-02-8, 191681-21-7, 272111-18-9

MF Unspecified

CI PMS, MAN, CTS

PCT Manual registration

LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, DIOGENES, MSDS-OHS,  
USPATFULL

Other Sources: DSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L1 ANSWER 13 OF 17 REGISTRY COPYRIGHT 2002 ACS

RN 63148-53-8 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files  
may

result in incomplete search results. For additional information, enter HELP

RN\* at an online arrow prompt (=>).

CN Siloxanes and Silicones (CA INDEX NAME)

OTHER NAMES:

CN .alpha.-GEL

CN 100CS

CN 109 Superwash Wool Finish

CN 10E

CN 12000T

CN 1300RTU

CN 1MF

CN 290L

CN 2MF

CN 2MMT

CN 3625LSR

CN 38197VP

CN 51XA561

CN 803TF

CN A 154

CN A 3

CN A 3 (silicone)

CN AB

CN Abil B 88163  
 CN Abil K  
 CN Abil wax 9800  
 CN Abil wax 9810  
 CN Abilwax 9800D  
 CN Accuglass 311  
 CN Accuglass 314  
 CN AD 9003  
 CN Addithane SI 3193  
 CN Additol XL 204  
 CN Additol XW 329  
 CN ADM 80-1  
 CN AF 2K  
 CN AF 8E  
 CN AF-A  
 CN AF-C  
 CN AF-C (siloxane)  
 CN AF-FG 10  
 CN Agitan 731  
 CN Agitan 770  
 CN Agitan E 256  
 CN Ahcovel S  
 CN Ahydrosil K  
 CN Ahydrosil Na  
 CN Airex 900  
 CN Airex 970  
 CN AK 0.65  
 CN AK 150  
 CN AK 2000000  
 CN AK 350  
 CN AKOR-B 100  
 CN Alchem 131  
 CN **Siltech S-HV**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

DR 12520-54-6, 12520-71-7, 12520-75-1, 12520-81-9, 12771-34-5, 9006-14-8,  
 9009-82-9, 9049-82-5, 9049-83-6, 11104-26-0, 127830-97-1, 128087-97-8,  
 128876-23-3, 126903-51-3, 54579-29-2, 125626-52-0, 56451-81-1,  
 56573-71-8,  
 56590-65-9, 55466-07-4, 55466-09-6, 59977-84-3, 60617-02-9, 60649-52-7,  
 120528-72-5, 121382-22-7, 94218-76-5, 98113-28-1, 96477-50-8,  
 106494-32-0,  
 113441-16-0, 50927-94-1, 61461-94-7, 66525-77-7, 136753-20-3,  
 136797-01-8,  
 37211-44-2, 37224-11-6, 37267-83-7, 37336-07-5, 68084-83-3, 68084-84-4,  
 138861-23-1, 74623-18-0, 148499-14-3, 79805-77-9, 80147-13-3,  
 143477-66-1,  
 152986-69-1, 152986-70-4, 152987-19-4, 152987-47-8, 82347-51-1,  
 83513-79-5, 86904-54-3, 88651-56-3, 39281-78-2, 39387-22-9, 42612-32-8,  
 53025-86-8, 53168-57-3, 99638-12-7, 176429-98-4, 179530-21-3,  
 179607-37-5,  
 184842-93-1, 184842-94-2, 184851-88-5, 188571-95-1, 188572-25-0,  
 189767-42-8, 190856-89-4, 191681-66-0, 197099-18-6, 202009-50-5,  
 204207-14-7, 215513-13-6, 216974-20-8, 217087-76-8, 222726-47-8,  
 258531-19-0, 290297-99-3  
 MF Unspecified  
 CI PMS, MAN, CTS  
 PCT Manual registration  
 LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CHEMCATS,  
 CHEMLIST, CIN, DETHERM\*, DIOGENES, EMBASE, IFICDB, IFIPAT, IFIUDB,

MEDLINE, PDLCOM\*, RTECS\*, TOXCENTER, TOXLIT, TULSA, USPATFULL  
(\*File contains numerically searchable property data)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 14 OF 17 REGISTRY COPYRIGHT 2002 ACS

RN 42557-10-8 REGISTRY

CN Poly[oxy(dimethylsilylene)], .alpha.-(trimethylsilyl)-.omega.-  
[(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)

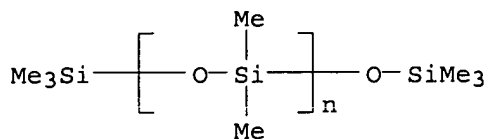
OTHER NAMES:

CN .alpha.,.omega.-(Trimethylsilyl) polydimethylsiloxane  
CN .alpha.,.omega.-Bis(trimethylsiloxy)polydimethylsiloxane  
CN .alpha.,.omega.-Bis(trimethylsilyl)poly(dimethylsiloxane)  
CN 10000C/S  
CN 1000C/S  
CN 100C/S  
CN 5000C/S  
CN Abil 10  
CN Abil 20  
CN Abil 30  
CN Abil 350  
CN AK 10  
CN AK 10 (silicone)  
CN AK 1000  
CN AK 10000  
CN AK 100000  
CN AK 1000000  
CN AK 20  
CN AK 20 (silicone)  
CN AK 35  
CN AK 35 (silicone)  
CN Amersil L 45  
CN Baysilone M  
CN Baysilone M 100  
CN Baysilone M 1000  
CN Baysilone M 10000  
CN Baysilone M 120  
CN Baysilone M 3  
CN Baysilone M 50  
CN Baysilone M 500  
CN BY 16-140  
CN BY 22-029  
CN BY 22-050A  
CN DC 200  
CN DC 200/50  
CN DC 280A  
CN DC Silicone Fluid 200  
CN Dimethyl siloxane, trimethylsilyl-terminated  
CN Dimethylsilanediol homopolymer, sru, .alpha.-, .omega.-trimethylsilyl-  
terminated  
CN Dimethylsilanediol homopolymer, sru, trimethylsilyl-terminated  
CN Dimethylsilanediol polymer, sru, trimethylsilyl-terminated  
CN Dimethylsiloxane, SRU, trimethylsiloxy-terminated  
CN Dow Corning 200  
CN Dow Corning 200/350  
CN Dow Corning 200/5  
CN E 100  
CN E 100 (siloxane)

CN Foamex AD 100  
CN GE-SF 96  
CN Gomme FB  
CN Siltech F 10000  
CN Siltech F 500  
CN Siltech F 60000

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

DR 12684-12-7, 12751-46-1, 12778-18-6, 9062-40-2, 134096-48-3, 37220-77-2, 37221-45-7, 83047-13-6, 157566-53-5, 186137-74-6, 187412-88-0, 187758-27-6, 190330-95-1, 191428-28-1  
MF (C2 H6 O Si)<sub>n</sub> C6 H18 O Si2  
CI PMS, COM  
PCT Polyother, Polyother only  
LC STN Files: AGRICOLA, CA, CAPLUS, CHEMLIST, DETHERM\*, IFICDB, IFIPAT, IFIUDB, NIOSHTIC, RTECS\*, TOXCENTER, TOXLIT, USPATFULL  
(\*File contains numerically searchable property data)



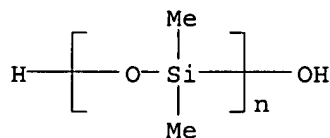
1060 REFERENCES IN FILE CA (1967 TO DATE)  
44 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1061 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 15 OF 17 REGISTRY COPYRIGHT 2002 ACS  
RN 31692-79-2 REGISTRY  
CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)  
(CA INDEX NAME)

OTHER NAMES:

CN .alpha.,.omega.-Dihydroxydimethylpolysiloxane  
CN .alpha.,.omega.-Dihydroxypoly(dimethylsiloxane)  
CN .alpha.-Hydro-.omega.-hydroxypoly(dimethylsiloxane)  
CN .alpha.-Hydro-.omega.-hydroxypoly[oxy(dimethylsilylene)]  
CN 48V135000  
CN 48V175000  
CN Baysilone T 5  
CN BY 16-873  
CN CT 80000  
CN DC 1669  
CN DC 1784  
CN DC 2-1391  
CN DC 2-1766  
CN DC 2-1784  
CN DC 2-1865  
CN DC 2-1870  
CN DC 3-0133  
CN Dihydroxypolydimethylsiloxane  
CN Dimethiconol  
CN Dimethylhydroxysilyl-terminated polydimethylsiloxane  
CN Dimethylpolysiloxane diol, SRU  
CN Dimethylsilanediol homopolymer, hydroxy-terminated SRU  
CN Dimethylsilanediol homopolymer, silanol-terminated  
CN Dimethylsilanediol homopolymer, sru silanol-terminated  
CN Dimethylsilanediol homopolymer, sru, hydroxy-terminated

CN Dimethylsiloxanediol  
 CN DMS-S 12  
 CN DMS-S 15  
 CN DMS-S 21  
 CN DMS-S 27  
 CN Dow Corning 1-9770  
 CN Dow Corning 1111  
 CN Dow Corning 1669  
 CN Dow Corning 1784  
 CN Dow Corning 2-1391  
 CN Dow Corning 2-1766  
 CN Dow Corning 2-1784  
 CN Dow Corning 2-1865  
 CN Dow Corning 2-1870  
 CN Dow Corning 3-0133  
 CN Dow Corning 347  
 CN Dow Corning Q 1-3563  
 CN F 212  
 CN Flexibase  
 CN FZ 3122  
 CN Hydroxy-terminated dimethyl polysiloxane  
 CN Hydroxy-terminated dimethylsilanediol homopolymer, sru  
 CN Hydroxy-terminated dimethylsiloxane, sru  
 CN Hydroxy-terminated poly(dimethylsiloxane)  
 CN Hydroxy-terminated polydimethylsiloxane, SRU  
 CN **Siltech E 2170**  
 CN **Siltech S 701**  
 CN **Siltech S 706**  
 CN **Siltech S 710**  
 CN **Siltech S 750**  
 CN **Siltech S 790**  
 ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
 DISPLAY  
 DR 165118-62-7, 12296-62-7, 175017-95-5, 59787-80-3, 156787-83-6,  
 160989-54-8, 178628-47-2, 181933-91-5, 182296-25-9, 187271-17-6,  
 204757-42-6, 210769-89-4, 218129-66-9, 221662-14-2, 232258-89-8,  
 235756-64-6, 256341-29-4, 287488-28-2, 292163-62-3, 350048-42-9,  
 371961-21-6  
 MF (C2 H6 O Si)<sub>n</sub> H2 O  
 CI PMS, COM  
 PCT Polyother, Polyother only  
 LC STN Files: ADISNEWS, BIOSIS, CA, CAPLUS, CHEMCATS, CIN, IFICDB, IFIPAT,  
 IFIUDB, MEDLINE, PROMT, TOXCENTER, TOXLIT, USPATFULL



811 REFERENCES IN FILE CA (1967 TO DATE)  
 140 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 814 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 16 OF 17 REGISTRY COPYRIGHT 2002 ACS  
 RN 26403-67-8 REGISTRY  
 CN Poly[oxy(methylsilylene)], .alpha.-(trimethylsilyl)-.omega.-  
 [(trimethylsilyl)oxy]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Poly[oxy(methylsilylene)], .alpha.-(trimethylsilyl)-.omega.-(trimethylsiloxy)- (8CI)

OTHER NAMES:

CN .alpha.-(Trimethylsilyl)-.omega.-(trimethylsiloxy)poly[oxy(methylsilylene)]

CN 2,4,6,8,-Tetramethylcyclotetrasiloxane homopolymer, sru, trimethylsilyl-terminated

CN 36HC

CN Baysilone MH 15

CN Baysilone MH 4

CN Bis(trimethylsilyl)-terminated poly(hydrogen methyl siloxane)

CN DC 1107

CN Dichloromethylsilane hydrolytic homopolymer, trimethylsilyl-terminated

SRU

CN Ditrithymethylsilyl-terminated methylsilanediol homopolymer

CN Dow Corning 1107

CN Drypon 600

CN G 456

CN Glo-Pel S 50

CN H 400

CN H 400 (siloxane)

CN H-Siloxan

CN KF 99

CN Methyl hydrogen siloxane, trimethylsilyl-terminated

CN Methyl siloxane, trimethylsilyl-terminated

CN Methylhydrogensilanediol homopolymer, SRU, trimethylsilyl-terminated

CN Methylsilanediol homopolymer, sru, trimethylsiloxy-terminated

CN Methylsilanediol homopolymer, sru, trimethylsilyl-terminated

CN MH 15

CN Poly[oxy(methylsilylene)], trimethylsilyl-terminated

CN PS 118

CN PS 120

CN PS 120 (siloxane)

CN PS 122

CN Rhodorsil H 68

CN Rhoximat H 68

CN Rhoximat HD 879

CN **Siltech G 456**

CN Syl-off 7048

CN Trimethylsilyl-terminated methyl hydrogen siloxane

CN Trimethylsilyl-terminated methylsilanediol homopolymer, sru

CN Trimethylsilyl-terminated poly(methylsilanediol)

CN TSF 484

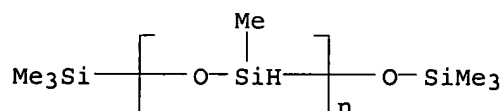
DR 99893-34-2, 223673-24-3, 232258-87-6

MF (C H4 O Si)n C6 H18 O Si2

CI PMS, COM

PCT Polyother, Polyother only

LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, IFICDB, IFIPAT, IFIUDB, PROMT, TOXCENTER, TOXLIT, USPATFULL



183 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
552 REFERENCES IN FILE CAPLUS (1967 TO DATE)

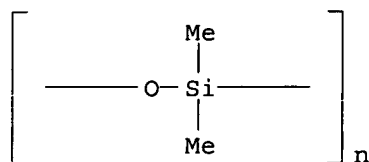
L1 ANSWER 17 OF 17 REGISTRY COPYRIGHT 2002 ACS  
RN 9016-00-6 REGISTRY  
CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 401N  
CN A 50  
CN A 50 (silicone)  
CN A 80R  
CN Accuglass 210  
CN Accuglass 211  
CN Accuglass 305  
CN AF 60  
CN AF 60 (siloxane)  
CN AF 72  
CN AF 75  
CN AF 9000  
CN AK 100  
CN AK 100 (silicone)  
CN AK 300000  
CN AK 50  
CN AK 50 (siloxane)  
CN AK 500  
CN AK 5000  
CN AK 750  
CN Akvastop  
CN Antaphron NM 42  
CN Antifoam FD 62  
CN Aquasil E  
CN ASI 100 Methyl  
CN ASP 3  
CN ASP 3 (silicone)  
CN AV 1000  
CN B 160-40  
CN Baysilone M 50EL  
CN Baysilone MA  
CN BIO-PSA Q 7-4301  
CN BW 400  
CN BY 16-801  
CN BY 16-817  
CN BY 22-064  
CN BY 27-003  
CN BY 27-007  
CN CF 1241  
CN Chaline Buruba 520C  
CN CP-Sil 5  
CN CT 89E  
CN CY 52-111  
CN DB 1  
CN DB 1 (silicone)  
CN DC 2-1184  
CN DC 2-1691  
CN DC 225  
CN DC 6-1104  
CN DC-MDX 4-4139  
CN **Siltech F 100**  
CN **Siltech F 1000**

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for

DISPLAY  
 DR 12619-98-6, 12620-09-6, 12680-27-2, 12680-28-3, 9049-10-9, 9063-73-4,  
 9087-48-3, 9087-49-4, 53239-64-8, 54351-38-1, 54351-90-5, 58391-68-7,  
 56730-54-2, 57486-07-4, 57679-15-9, 123243-00-5, 123515-75-3, 60440-54-2,  
 51569-26-7, 51888-90-5, 51910-51-1, 60842-63-9, 37200-44-5, 37221-89-9,  
 37340-53-7, 141093-32-5, 90250-23-0, 39457-57-3, 39476-41-0, 52232-96-9,  
 52622-98-7, 53125-20-5, 109946-28-3, 110616-98-3, 118731-39-8,  
 231934-55-7  
 MF (C2 H6 O Si)n  
 CI PMS, COM  
 PCT Polyother, Polyother only  
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, CEN,  
 CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, ENCOMPLIT, ENCOMPLIT2,  
 ENCOMPPAT,  
 ENCOMPPAT2, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, NIOSHTIC,  
 PIRA, PROMT, RTECS\*, TOXCENTER, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)



6361 REFERENCES IN FILE CA (1967 TO DATE)  
 902 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 6377 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	32.78	32.93

FILE 'CAPLUS' ENTERED AT 16:19:39 ON 27 JAN 2002  
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FILE COVERS 1907 - 27 Jan 2002 VOL 136 ISS 5  
 FILE LAST UPDATED: 25 Jan 2002 (20020125/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Caplus now provides online access to patents and literature covered in CA from 1907 to the present. Bibliographic

information and abstracts were added in 2001 for over 3.8 million records from 1907-1966.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

Attention, the CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of

```
=> s 308072-86-8/rn
      0 308072-86-8
      0 308072-86-8D
L2    0 308072-86-8/RN
      (308072-86-8 (NOTL) 308072-86-8D )
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=> file registry
COST IN U.S. DOLLARS                               SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                               3.59           36.52
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FILE 'REGISTRY' ENTERED AT 16:20:12 ON 27 JAN 2002  
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STRUCTURE FILE UPDATES: 25 JAN 2002 HIGHEST RN 387333-72-4  
DICTIONARY FILE UPDATES: 25 JAN 2002 HIGHEST RN 387333-72-4

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the H/Z/CA/CAplus files between 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches during this period, either directly appended to a CAS Registry Number or by qualifying an L-number with /P, may have yielded incomplete results. As of 1/23/02, the situation has been resolved. Also, note that searches conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to [help@cas.org](mailto:help@cas.org) for further assistance or to

receive a credit for any duplicate searches.

=> s 308072-86-8/rn  
L3 1 308072-86-8/RN

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.32	36.84

FILE 'CAPLUS' ENTERED AT 16:20:36 ON 27 JAN 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE COVERS 1907 - 27 Jan 2002 VOL 136 ISS 5  
FILE LAST UPDATED: 25 Jan 2002 (20020125/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAPLUS now provides online access to patents and literature covered in CA from 1907 to the present. Bibliographic information and abstracts were added in 2001 for over 3.8 million records from 1907-1966.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

Attention, the CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of

=> s L3  
L4 0 L3

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.34	37.18

FILE 'REGISTRY' ENTERED AT 16:20:49 ON 27 JAN 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 25 JAN 2002 HIGHEST RN 387333-72-4  
DICTIONARY FILE UPDATES: 25 JAN 2002 HIGHEST RN 387333-72-4

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

The P indicator for Preparations was not generated for all of the  
CAS Registry Numbers that were added to the H/Z/CA/CAplus files between  
12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches  
during this period, either directly appended to a CAS Registry Number  
or by qualifying an L-number with /P, may have yielded incomplete results.  
As of 1/23/02, the situation has been resolved. Also, note that searches  
conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files  
incorporating CAS Registry Numbers with the P indicator between 12/27/01  
and 1/23/02, are encouraged to re-run these strategies. Contact the  
CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698,  
worldwide, or send an e-mail to [help@cas.org](mailto:help@cas.org) for further assistance or to  
receive a credit for any duplicate searches.

=> d L3

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 308072-86-8 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files  
may

result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).

CN Siloxanes and Silicones, di-Me, polyoxyethylene-polyoxypropylene- (CA  
INDEX NAME)

OTHER CA INDEX NAMES:

CN Polysiloxanes, di-Me, polyoxyethylene-polyoxypropylene-

OTHER NAMES:

CN Di-Me, polyoxyethylene-polyoxypropylene-siloxanes

CN F 1-009-02

CN F 1-009-03

CN F 1-009-15

CN F 373

CN FZ 2165

CN KF 335A

CN KF 352A

CN KF 6012

CN L 540

CN L 548

CN L 550

CN L 5710

CN L 5720

CN L 6202

CN Silicones, di-Me, polyoxyethylene-polyoxypropylene-  
CN Siltech T 706  
CN Siltech T 710  
CN Siltech T 750  
CN Siltech T 790  
CN Silwet FZ 2165  
CN Silwet L 7657  
CN Tegopren 5830  
CN Tegopren 5830A  
CN Tegopren 5830B  
CN TSF 4440  
CN TSF 4450  
CN TSF 4452  
CN Y 12230  
MF Unspecified  
CI MAN, CTS  
SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

=> e silwax

E1	1	SILVREX/BI
E2	6	SILVUE/BI
E3	6 -->	SILWAX/BI
E4	2	SILWEL/BI
E5	1	SILWELL/BI
E6	43	SILWET/BI
E7	1	SILWICK/BI
E8	1	SILWIN/BI
E9	1	SILWOOD/BI
E10	4	SILWORM/BI
E11	28	SILY/BI
E12	22	SILYBI/BI

=> s e3

L5 6 SILWAX/BI

=> d L5 1-6

L5 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2002 ACS

RN 308083-45-6 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).

CN Polysiloxanes, di-Me, hydroxy-terminated, diesters with castor-oil fatty  
acids (CA INDEX NAME)

OTHER NAMES:

CN **Silwax C**

MF Unspecified

CI MAN, CTS

SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2002 ACS

RN 308083-42-3 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).  
CN Polysiloxanes, di-Me, ethers with polyethylene glycol monostearate (CA  
INDEX NAME)  
OTHER NAMES:  
CN **Silwax WD-IS**  
MF Unspecified  
CI MAN, CTS  
SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

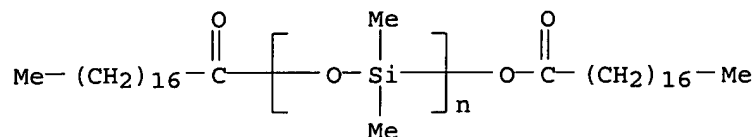
L5 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2002 ACS  
RN 308083-33-2 REGISTRY \*  
\* Use of this CAS Registry Number alone as a search term in other STN files  
may  
result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).  
CN Polysiloxanes, di-Me, Me hydrogen, polyoxyalkylene-, dilauroates (CA  
INDEX  
NAME)  
OTHER NAMES:  
CN **Silwax WS-L**  
MF Unspecified  
CI MAN, CTS  
SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2002 ACS  
RN 308072-05-1 REGISTRY \*  
\* Use of this CAS Registry Number alone as a search term in other STN files  
may  
result in incomplete search results. For additional information, enter HELP  
RN\* at an online arrow prompt (=>).  
CN Siloxanes and Silicones, di-Me, amide group-contg. (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Polysiloxanes, di-Me, amide group-contg.  
OTHER NAMES:  
CN Amide group-contg. di-Me siloxanes  
CN Di-Me siloxanes, amide group-contg.  
CN **Silwax DCA 100**  
MF Unspecified  
CI MAN, CTS  
SR CA

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2002 ACS  
RN 247028-81-5 REGISTRY  
CN Poly[oxy(dimethylsilylene)], .alpha.-(1-oxooctadecyl)-.omega.-[(1-  
oxooctadecyl)oxy]- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Dimethiconol stearate  
CN **Silwax S**  
MF (C2 H6 O Si)n C36 H70 O3  
CI PMS  
PCT Polyether, Polyether only  
SR CA  
LC STN Files: CA, CAPLUS, CHEMLIST, TOXCENTER, TOXLIT



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2002 ACS

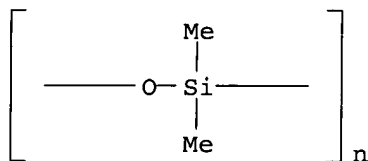
RN 9016-00-6 REGISTRY

CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 401N  
 CN A 50  
 CN A 50 (silicone)  
 CN A 80R  
 CN Accuglass 210  
 CN Accuglass 211  
 CN Accuglass 305  
 CN AF 60  
 CN AF 60 (siloxane)  
 CN AF 72  
 CN AF 75  
 CN AF 9000  
 CN AK 100  
 CN AK 100 (silicone)  
 CN AK 300000  
 CN AK 50  
 CN AK 50 (siloxane)  
 CN AK 500  
 CN AK 5000  
 CN AK 750  
 CN Akvastop  
 CN Antaphron NM 42  
 CN Antifoam FD 62  
 CN Aquasil E  
 CN ASI 100 Methyl  
 CN ASP 3  
 CN ASP 3 (silicone)  
 CN AV 1000  
 CN B 160-40  
 CN Baysilone M 50EL  
 CN Baysilone MA  
 CN BIO-PSA Q 7-4301  
 CN BW 400  
 CN BY 16-801  
 CN BY 16-817  
 CN BY 22-064  
 CN BY 27-003  
 CN BY 27-007  
 CN CF 1241  
 CN Chaline Buruba 520C  
 CN CP-Sil 5  
 CN CT 89E  
 CN CY 52-111  
 CN DB 1

CN DB 1 (silicone)  
 CN DC 2-1184  
 CN DC 2-1691  
 CN DC 225  
 CN DC 6-1104  
 CN DC-MDX 4-4139  
 CN **Silwax WS**  
 ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
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 DR 12619-98-6, 12620-09-6, 12680-27-2, 12680-28-3, 9049-10-9, 9063-73-4,  
 9087-48-3, 9087-49-4, 53239-64-8, 54351-38-1, 54351-90-5, 58391-68-7,  
 56730-54-2, 57486-07-4, 57679-15-9, 123243-00-5, 123515-75-3, 60440-54-2,  
 51569-26-7, 51888-90-5, 51910-51-1, 60842-63-9, 37200-44-5, 37221-89-9,  
 37340-53-7, 141093-32-5, 90250-23-0, 39457-57-3, 39476-41-0, 52232-96-9,  
 52622-98-7, 53125-20-5, 109946-28-3, 110616-98-3, 118731-39-8,  
 231934-55-7  
 MF (C2 H6 O Si)n  
 CI PMS, COM  
 PCT Polyother, Polyother only  
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, CEN,  
 CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, ENCOMPLIT, ENCOMPLIT2,  
 ENCOMPPAT,  
 ENCOMPPAT2, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, NIOSHTIC,  
 PIRA, PROMT, RTECS\*, TOXCENTER, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)



6361 REFERENCES IN FILE CA (1967 TO DATE)  
 902 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 6377 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 16:16:01 ON 27 JAN 2002)  
 FILE 'REGISTRY' ENTERED AT 16:16:13 ON 27 JAN 2002  
 E SILTECH  
 L1 17 S E3  
 FILE 'CAPLUS' ENTERED AT 16:19:39 ON 27 JAN 2002  
 L2 0 S 308072-86-8/RN  
 FILE 'REGISTRY' ENTERED AT 16:20:12 ON 27 JAN 2002  
 L3 1 S 308072-86-8/RN  
 FILE 'CAPLUS' ENTERED AT 16:20:36 ON 27 JAN 2002  
 L4 0 S L3  
 FILE 'REGISTRY' ENTERED AT 16:20:49 ON 27 JAN 2002  
 E SILWAX  
 L5 6 S E3

=> file stng

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

18.90

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## Tech Notes

### The Silicone Specialties for Personal Care

by Anthony J. O'Lenick, Jr., Siltech, Inc.

Formulators in the personal care field realize that there are a vast number of traditional surfactants from which to choose in the preparation of new products. There are nonionic, cationic, amphoteric and anionic products available; and within each class there are numerous products. A neophyte formulator might ask, "Why are there so many types of surfactants?" The answer is clear - the structure of the surfactant determines the functionality.

It is therefore not surprising that a series of surfactants which are based upon silicone as a hydrophobe, that contain other functional groups similar to those seen in traditional surfactants, would be developed. In some instances, silicone is incorporated into a surface active agent, with a polyoxyalkylene portion of the molecule and or a hydrocarbon portion of the molecule. As will become clear, this results in several unique properties of the surfactant.

Historically, silicone compounds have been available as water-insoluble, oily materials. This has limited the number of silicone compounds that the formulator could use in many applications. Knowing some of the limitations in the use of silicone fluids, it is no surprise that there is a desire to make more functional silicone compounds; silicone compounds which provide the desired softening, conditioning and treatment effects, but are self-emulsifying. The logical place to look for bridging technology is in the surfactant world. Surfactants are materials with an oil-soluble group, generally fatty, and a water-soluble group. If one either includes a silicone group as the hydrophobe or includes a silicone hydrophobe in the molecule, a whole new world of formulator-friendly compounds opens up.

In order to make silicone useful in aqueous systems, there are a variety of emulsions available. The use of an emulsion makes the silicone easier to handle, but there are issues related to emulsion stability that must be addressed. Specifically, the addition of surfactants to the emulsion may shift the HLB and split the emulsion. In addition, emulsions have limited freeze-thaw stability. Finally, there is an equilibrium between the silicone, the emulsifier and the substrate being treated. Often, the emulsifier also has detergent properties and the majority of the silicone ends up in the water.

There are now a wide variety of silicone products, differing both in structure and functional properties, which are available to the formulator. This allows for greater formulation latitude and the creation of products which are optimized for some applications. The use of silicone not merely as an oil phase requires the functionalization of the molecule to make it useful in application areas where a water-soluble product is not appropriate. Too often in the past, the formulator has had to accept many of the drawbacks of the use of silicone oils in the formulation or leave them out altogether. Attempting to use silicone oils and compounds known prior to the 1990's in all applications would be like attempting to use fatty alcohol ethoxylates in all applications. The ability to make silicone formulator-friendly has led to the synthesis of many new silicone-based surfactants. Many of the newer products already in the market contain these materials and more will in the future.

In order to make a surface active molecule, one needs to have both a water-soluble and an oil-soluble portion of the molecule. The traditional oil-soluble portion of the molecule is fatty. The silicone surfactants substitute or add on silicone-based hydrophobicity. This results in materials which have the substantivity, lower irritation, skin feel and other attributes of silicone, in addition to the properties one expects from the fatty surfactant. In molecules where silicone is predominant, the functional attributes of silicone will predominate. If the molecule has both a silicone and fatty hydrophobe present, it will function with the attributes of both of the materials. This allows for the formulation of a wide variety of products that have oil, water, silicone or variable solubilities.

The inclusion of silicone into the surfactant molecule results in an improved compound - one that has substantivity, conditioning and lower irritation than the surfactant alone, and a silicone that is formulator-friendly.

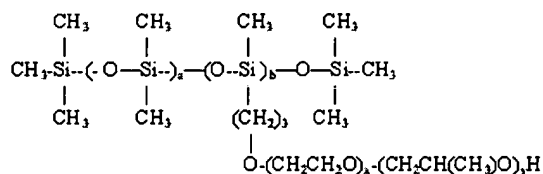
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## Tech Notes

### Dimethicone Copolyols

by Anthony J. O'Lenick, Jr. - Siltech L.L.C.

Throughout the 1990's, dimethicone copolyols (DMC) and their derivatives has been an important and growing class of raw materials used in the personal care market. The term dimethicone copolyol has been adopted by the Cosmetics, Toiletry and Fragrance Association to describe a class of silicone/polyoxyalkylene derivatives. DMC surfactants are a class of compounds that conform to the following general structure:



The nomenclature was developed to reflect the fact that the molecule is a silicone polymer (dimethicone) with a copolymer ("copoly" part) and a hydroxyl functional ("ol" ending). The original concept, while creative, does not give all of the information needed for defining the molecular structure.

#### Structure/Function Relationship

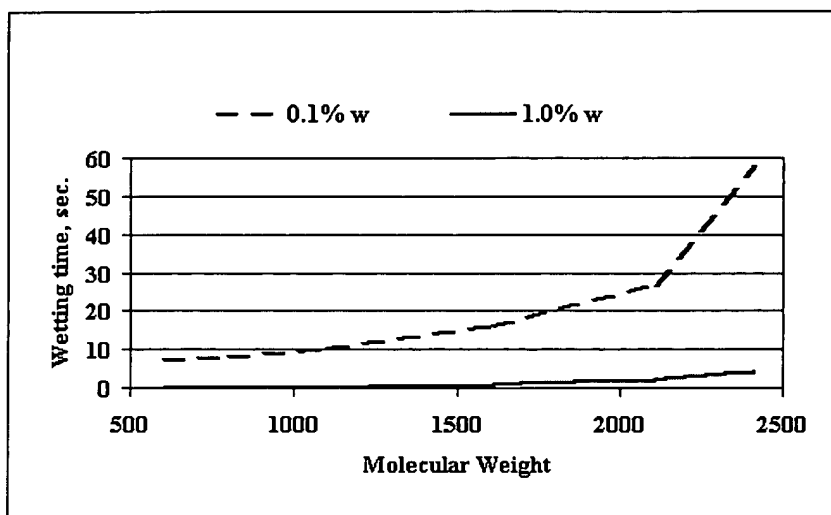
It is very helpful for the formulator to understand the structure/function relationship for the various additives to a formulation. Wetting, conditioning and emulsification properties are directly effected by the structure of the DMC. Two important properties, wetting and irritation to the eyes, are considered here. We evaluated a number of products (Products A-F) for wetting and irritation.

Table 1: Products Evaluated

Product Designation	Number of "a" units	Number of "b" units	Molecular Weight
A	0	1	607
B	0.9	1.3	808
C	2.3	1.8	1108
D	4.5	2.5	1610
E	6.8	3.0	2111
F	8.1	3.6	2412

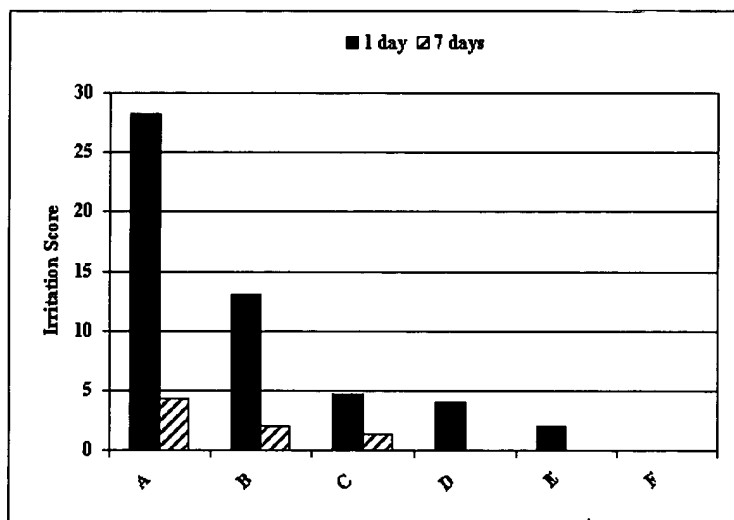
#### Wetting Properties

It is very desirable to have formulated products efficiently wet the hair and skin, to effectively deliver the desired result. Unfortunately, many DMCs are poor wetting agents. This is due to the fact that most commercial products have a molecular weight in excess of 2500. The evaluation of the effect of molecular weight upon wetting demonstrated that products with desirable wetting speeds could be prepared over a relatively wide range of molecular weights.



#### Eye Irritation

It is critical that products used in personal care applications also be mild to the eyes and skin. The products evaluated for wetting were likewise evaluated for eye irritation using the "Draize Primary Ocular Irritation Test" [Scale: Moderately Irritating 25.1 - 50, Mildly Irritating 15.1 - 25, Minimally Irritating 2.6 - 15, Practically Non-Irritating 0.6 - 2.5, Non-Irritating 0 - 0.5].



#### Conclusions

The proper selection of a dimethicone copolyol can result in a product that has a desirable combination of properties in personal care formulations. Notwithstanding the fact that the lower molecular weight DMCs have faster wetting times, products can be easily selected that provide both efficient wetting and low ocular irritation.

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USPT	(dimethicone adj copolyol)[ti]	11	<u>L15</u>
USPT	dimethicone adj copolyol	1052	<u>L14</u>
USPT	silwax	25	<u>L13</u>
USPT	siltech	170	<u>L12</u>
PGPB,EPAB,DWPI	SiltechT\$ or (siltech adj T)	0	<u>L11</u>
USPT	SiltechT\$ or (Siltech adj T)	12	<u>L10</u>
USPT	terminal near3 dimethicone	16	<u>L9</u>
USPT	end-capped adj dimethicone	0	<u>L8</u>
USPT	dimethicone near3 (polyol or copolyol)	1064	<u>L7</u>
USPT	L1 same linear not L3	16	<u>L6</u>
USPT	4184004[pn]	1	<u>L5</u>
USPT	4184004	38	<u>L4</u>
USPT	L1 near10 linear	7	<u>L3</u>
USPT	L1 same emulsi\$	82	<u>L2</u>
USPT	polyether adj siloxane	809	<u>L1</u>